UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/560,434	04/27/2000	Keshaba Chandra Sahoo	30566.90US01	4313

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EXAMINER
LE, MIRANDA

ART UNIT	PAPER NUMBER
2177	

DATE MAILED: 02/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

Office Action Summary	Application No.	Applicant(s)
	09/560,434	KESHABA CHANDRA SAHOO
	Examiner	Art Unit
	Miranda Le	2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *27 April 2000* .

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-12* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-12* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *4* .

4)☐ Interview Summary (PTO-413) Paper No(s). _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 1, 3-5, 7-9, 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Kish et al. (US Patent No. 5,890,176), in view of Gerard et al. (US Patent No. 5,974,428).

3.   As per claims 1, 5, 9, Kish teaches "obtaining a request to store an object" at col. 2, lines

20-34;

"determining if a requested file version is lower than an object introduction version of the

object" at col. 2, lines 20-34, col. 10, lines 42-59;

Moreover, Kish teaches "an object-oriented computer system having a memory and a

data storage device coupled thereto" at col. 3, lines 8-37;

Kish does not teach "streaming out a class of the object in the requested file version if the

requested file version is equal to or higher than the object introduction version; and

streaming out the class of the object in the object introduction version if the requested file version is lower than the object introduction version". However, Gerard teaches these limitations at col. 8, lines 39-61.

Thus, it would have been obvious to one ordinarily skilled in the art at the time of the invention to combine the teachings of Kish with the teachings of Gerard to include "streaming out a class of the object in the requested file version if the requested file version is equal to or higher than the object introduction version; and streaming out the class of the object in the object introduction version if the requested file version is lower than the object introduction version" in order to provide an improved method and mechanism for tracking and managing the changing definitions and implementations of multiple class versions in an object-oriented environment.

4.   As per claims 3, 7, 11, Kish teaches "one or more superior objects of the object querying the object to determine a version to stream out" at col. 11, lines 36-50;

"the object responding to stream out in the requested file version if the requested file version is equal to or higher than the object introduction version" at col. 11, lines 36-50, col. 6, lines 22-39;

"the object responding to stream out in the object introduction version if the requested file version is lower than the object introduction version" at col. 11, lines 36-50, col. 5, lines 4-21;

"the one or more superior objects of the object streaming out in accordance with the object response" at col. 11, lines 36-50.

5.   As per claims 4, 8, 12, Kish teaches "obtaining a request to store an object is

initialized by saving a file containing the object" at col. 2, lines 20-34.

6.   Claims 2, 6, 10, are rejected under 35 U.S.C. 103(a) as being unpatentable over Kish et

al. (US Patent No. 5,890,176), in view of Gerard et al. (US Patent No. 5,974,428), as applied to

claims above, and further in view of Cohen et al. (US Patent No. 6,324,543 B1).

7.   As per claims 2, 6, 10, neither Kish nor Gerard teach "the requested file version is lower

than the object introduction version, the method further comprising representing the object

as a proxy object when a file is opened, and wherein the streaming out in the object introduction

version comprises: the proxy object holding onto the object's data; and the proxy object

streaming out the object's data". However, Cohen teaches these limitations at col. 6, lines 57-67,

col. 5, lines 51-59.

Thus, it would have been obvious to one ordinarily skilled in the art at the time of the

invention to combine the teachings of Kish, Gerard with the teaching of Cohen to include "the

requested file version is lower than the object introduction version, the method further

comprising representing the object as a proxy object when a file is opened, and wherein the

streaming out in the object introduction version comprises: the proxy object holding onto the

object's data; and the proxy object streaming out the object's data" in order to provide a method

for allowing programs to become dynamically reconfigurable without programmer intervention.
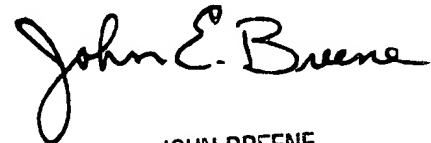
Conclusion

8.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

9.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Miranda Le whose telephone number is (703) 305-3203. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene, can be reached on (703) 305-9790. The fax number to this Art Unit is (703) 746-7238.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Miranda Le
February 20, 2003

John E. Breene

JOHN BREENE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100